

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"070651"	US-PGPUB; DERWENT	OR	ON	2006/03/30 16:33
L2	18	(72/270.ccls. 266/113,259.ccls. or c21d009/573.ipc.) and ((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) and (longitudinal or length or horizontal)) with ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:53
L3	76	(72/270.ccls. 266/113,259.ccls. or c21d009/573.ipc.) and ((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) and (longitudinal or length or horizontal)) and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:53
L4	260	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) and (longitudinal or length or horizontal)) with ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:53
L5	76421	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/30 16:54
L6	10288	((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs or blank or block))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:54
L7	295	L5 and L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:54
L8	79	L7 and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/30 16:54
L9	157	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) with (longitudinal or length or horizontal)) with ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:54
L10	260	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) and (longitudinal or length or horizontal)) with ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 16:54
L11	100	L10 not (L8 or L9)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/30 16:54
L12	53	3 not (2 8 9 4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/30 16:54

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"5327763".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 13:54
S2	1	"5094678".pn.	USPAT	OR	OFF	2004/07/23 13:56
S3	1	"4620840".pn.	USPAT	OR	OFF	2004/07/23 13:58
S4	1	"6216485".pn.	USPAT	OR	OFF	2004/07/23 14:01
S5	11	266/249,252,259.ccls. and (convection or convect) and ((recuperation or gas) near3 (burner or flame or flames or burners))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 15:30
S6	0	"34222214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:22
S7	13	"3422214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:23
S8	7	"3422221"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:23
S9	0	"34222214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:23
S10	16	"463218"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:25
S11	18	"685683"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:26
S12	1	"19541922"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:27
S13	11	"8302661"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 14:29
S14	8	"2637646"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 15:19
S15	7	"1807504"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 15:30
S16	310	"432"/\$.ccls. and (convection or convect) and ((recuperation or gas) near3 (burner or flame or flames or burners))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 15:33
S17	47	"432"/\$.ccls. and (furnace with (convection or convect)) and (((recuperation or gas) near3 (burner or flame or flames or burners)) with furnace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 17:14
S18	3	432/128.ccls. and (furnace with (convection or convect)) and (((recuperation or gas) near3 (burner or flame or flames or burners)) with furnace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 16:23
S19	10	(furnace with (convection or convect)) and (((recuperation or gas) near3 (burner or flame or flames or burners)) with furnace)	EPO; JPO	OR	OFF	2004/07/23 16:28
S20	109	((pre near2 heat) or preheat or preheating or preheated) and (((recuperation or gas) near3 (burner or flame or flames or burners)) with furnace)	EPO; JPO	OR	OFF	2004/07/23 16:29

EAST Search History

S21	7	(((pre near2 heat) or preheat or preheating or preheated) and (((recuperation or gas) near3 (burner or flame or flames or burners)) with furnace)) and ((gas or air) near4 (nozzle or nozzles or jet or jets))	EPO; JPO	OR	OFF	2004/07/23 16:51
S22	2	"9419124"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 17:04
S23	1	"5802905".pn.	USPAT	OR	OFF	2004/07/23 17:10
S24	0	kramer,carl.in.	USPAT	OR	OFF	2004/07/23 17:10
S25	0	kramer.in. and carl.in. and (((recuperation or gas) near3 (burner or flame or flames or burners)) with furnace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 17:11
S26	74	furnace with ((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 17:09
S27	4	"3509483"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 18:37
S28	8	"3418603"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 18:58
S29	18	"685683"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 18:59
S30	16	"463218"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 19:23
S31	8	"2637646"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 19:27
S32	2	"19538364"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 19:28
S33	8	"3418603"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 19:28
S34	12	clamp with ((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 19:57
S35	3	(clamp with cooling) and ((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 20:00
S36	1	"5027634".pn.	USPAT	OR	OFF	2004/07/23 19:58
S37	2	"4829802".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/07/23 20:40
S38	1	"5027634".PN.	USPAT	OR	OFF	2004/07/23 20:04
S39	1	"4136527".PN.	USPAT	OR	OFF	2004/07/23 20:04
S40	1	"4042227".PN.	USPAT	OR	OFF	2004/07/23 20:04
S41	1	"5425386".PN.	USPAT	OR	OFF	2004/07/23 20:05
S42	1	"5112412".PN.	USPAT	OR	OFF	2004/07/23 20:05
S43	2	("4825677" "5802905").pn.	USPAT	OR	OFF	2004/07/23 20:40
S47	74562	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 17:10

EAST Search History

S48	4373	((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 18:01
S49	8	S47 with S48	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 17:31
S50	149	S47 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 17:31
S51	141	S50 not S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 18:00
S52	47	S51 and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06
S53	10024	((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs or blank or block))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/29 18:02
S54	281	S47 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/29 18:02
S55	77	S54 and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 18:16
S56	76	S55 not S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:07
S57	3	"2,639,810".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/29 18:17
S58	4	"2,639,810".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/29 18:17
S59	76382	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06
S60	4461	((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06
S61	8	S59 with S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06
S62	154	S59 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06
S63	146	S62 not S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06
S64	48	S63 and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:06

EAST Search History

S65	10284	((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs or blank or block))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:13
S66	295	S59 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:07
S67	79	S66 and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 18:23
S68	78	S67 not S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 17:07
S69	89	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((extrude or extrusion or extruded or extrusions) near3 (billet or slug or billets or slugs or blank or block)) and ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:14
S70	157	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) with (longitudinal or length or horizontal)) with ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 18:21
S71	260	((cooling or cooled or cool) with (spray or sprayed or spraying or nozzle or nozzles)) and ((billet or slug or billets or slugs or blank or block or rod or tube) and (longitudinal or length or horizontal)) with ((cool or cooling or cooled) near4 (device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 11:01
S72	100	S71 not (S67 or S70)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/29 18:23